



INOX MECCANICA

TECHNOLOGY FOR THE FOOD PROCESSING INDUSTRY

PRESS RELEASE

INOX MECCANICA'S PIONEERING SALTING PROCESS

SOLAROLO DI GOITO 16/01/2024

INOX MECCANICA'S PIONEERING SALTING PROCESS

Technology applied to these plants is the result of continuous studies and experiments that Inox Meccanica's R&D department has perfected over the last 15 years.

The tumbling salting process conceived by our engineers translates from a static to a dynamic system, which makes it possible to drastically shorten processing times, to obtain a product with a high salting homogeneity, uncontaminated and most importantly of high quality despite being developed through an industrial process.

Our automatic salting cycle involves a series of technological operations carried out on the product. For every different techno-action, our Tumbler automatically sets itself up to accomplish the task. Both order and duration of those are the fruit of trials conducted in our technological laboratory.

The osmotic extraction salting process is a key advantage of our technology. Salt absorption by the meat allows water (rich in salts and ingredients) to be released, which, using the rotation and tilting motion of the machine, homogenises the salt and other ingredients onto the product.

Once the salt concentration in the water, which had formed inside the barrel, has reached about 10%, a patented automatic system drains the water. This step takes place during the first 12 hours of the process.

One cannot fail to mention the production innovation brought about by the patented smoking system. Warm woody notes are imparted to both cured and cooked products, directly inside our Tumbler.

To accomplish this, the R&D department has optimised a process that relies on a friction generator, which produces low temperature smoke duly alternating with vacuum phases, impregnating the product with greater speed. The combination is programmable and repeatable until the desired degree of smoking is achieved.

This technological innovation leads to several advantages because it is possible to smoke the product in a very short time with less weight loss, fire risks are almost totally eliminated, there is a reduced consumption of wood and the product takes on a very delicate taste, making the aroma of the wood essence much more perceptible.

Together with our technology, we aim to help our customers achieve higher yields, more efficient processes and, above all, high-quality products.

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